



U. S. Steel  
Clairton Works  
400 State Street  
Clairton, PA 15025-1855

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OCT 20 1994

ENVIRONMENTAL SECTION  
EPA Region III

October 20, 1994

Deputy Director  
Allegheny County Health Department  
Department of Air Quality  
301 Thirty-Ninth Street  
Pittsburgh, PA 15201

U.S. Environmental Protection Agency  
Region III  
Air, Radiation & Toxics Division  
841 Chestnut Building  
Philadelphia, PA 19107  
ATTN: Michael Ioff (3AT23)

Assistant Council  
Department of Environmental Resources  
Southwest Region  
400 Waterfront Drive  
Pittsburgh, PA 15222-4745  
ATTN: Ward Kelsey, Esq.

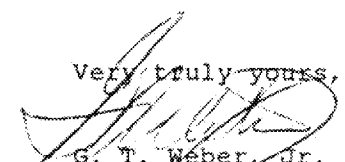
Department of Justice  
Environmental and Natural Resource Division  
Environmental Enforcement Section  
P.O. Box 7611  
Ben Franklin Station  
Washington, D.C. 20044  
ATTN: David Street, Esq.

Subject: Breakdown Report 94-1216  
#2 Unit Primary Coolers; #15 & 19 Battery Igniter Flares  
USS Clairton Works

Gentlemen:

The attached form confirms our verbal report of the subject incident. Any questions concerning this matter should be referred to W. C. Graeser at 233-1467.

Very truly yours,

  
G. T. Weber, Jr.  
General Manager  
Coking Operations



**NOTICE OF BREAKDOWN OF EQUIPMENT**  
**ARTICLE XX - SECTION 202.C**

1. **Breakdown No.:** 94-1216
2. **Date & Time of Breakdown:** Date: 10/20/94 Time: 0705 hours
3. **Company Name:** USX Corporation - USS Clairton Works
4. **Specific Equipment Involved or Affected:** #2 Unit Primary Coolers;  
#15 & 19 Battery Igniter Flares
5. **BAPC Permit Number (if applicable):**
6. **Location:** Clairton, PA
7. **Nature and cause of breakdown:** This flaring event did not need to be reported within an hour of occurrence. Per Allegheny County correspondence dated June 8, 1992, flaring events less than 2 minutes are to be summarized and reported on the monthly Process Information Report.

Coke oven gas was flared at the following batteries:

Date	Battery	Start Time	End Time	Duration		Flared	
				Min.	Sec.	Yes	No
10/20/94	15	07:10	07:10	0	15	Yes	
10/20/94	19	07:10	07:10*	0	20	Yes	

\* The cumulative 20 second flare time at #19 Battery occurred intermittently over a 8 minute period.

Flares were activated when the battery coke oven gas suction pressure dropped. A level controller malfunction caused a loss of circulating liquor in the 804 primary cooler. The resulting elevated gas temperature caused a loss of battery coke oven gas suction.

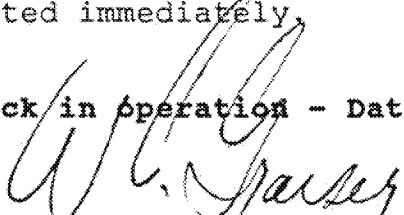
8. **Identification of Emissions:**
  - A. **Type(s)** (CO, NOX, SO2, Particulates, Hydrocarbons, etc.)  
Released products of combustion of Coke Oven Gas.
  - B. **Toxic qualities of each type** (including its qualities as an irritant, and its potential for causing illness, disability, or mortality). Unknown.
  - C. **Amount of each type emitted (or likely to be emitted).**  
Light to moderate.

9. Measures taken (or to be taken) to minimize length of breakdown and amount of emissions, including shutdown or curtailment (or why it is impossible or impractical to do so).

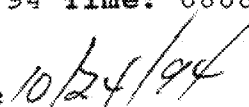
Battery charging operations were suspended. The level controller was replaced and start-up procedures were initiated immediately.

10. Facility back in operation - Date: 10/20/94 Time: 0808 hours

Signature



Date



W. C. Graeser

Senior Environmental Control Engineer

Phone: 233-1467